**Quiz 2 Results for Tabitha Hagen**

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Score for this quiz: **55** out of 55

Submitted Aug 6, 2022 at 12:28pm

This attempt took 18 minutes.

**Question 1**

**2 / 2 pts**

What function within the tidyverse package is enables you to do data manipulation such as selecting certain columns from a file?

**Correct!**



dplyr



tidyr



ggplot



readr

**Question 2**

**2 / 2 pts**

To create a line graph for unique values in your tibble, which of the following should be included in your ggplot function call?



geom\_col()



geom\_plot()

**Correct!**



geom\_smooth()



geom\_bar()

**Question 3**

**2 / 2 pts**

Sometimes rows have multiple observations that must be cleaned before running other functions within the tidyverse (e.g., one row represents one observation). What function is run in order to create this clean data?



dplyr



ggplot2

**Correct!**



tidyr



readr

**Question 4**

**2 / 2 pts**

The "grammar of graphics" that enables data analysts to create various visualizations comes from what function within the tidyverse?



readr

**Correct!**



ggplot2



tidyr



dplyr

**Question 5**

**2 / 2 pts**

To create a scatter plot within ggplot, which of the following should be included in your function call?



geom\_col()

**Correct!**



geom\_point()



geom\_bar()



geom\_smooth()

**Question 6**

**2 / 2 pts**

What package/function needs to be loaded in order to read a .csv file?



readxl



readexcel

**Correct!**



readr

**Question 7**

**2 / 2 pts**

When trying to import a dataset, R Studio uses which function within the tidyverse?



tidyr

**Correct!**



readr



dplyr



ggplot2

**Question 8**

**6 / 6 pts**

Given the following function:

**ggplot (mtcars, mapping = aes (mpg,carb,brand) +**

**geom\_point()**

Match each of the attributes above to what they represent on the plot.

**Correct!**

**mpg**



**Correct!**

**carb**



**Correct!**

**brand**



**Correct!**

**mtcars**



**Question 9**

**3 / 3 pts**

What package/function needs to be loaded in order to read a .xlsx file?



readcsv



readexcel

**Correct!**



readxl



readr

**Question 10**

**2 / 2 pts**

When using dplyr, what is used to add new variables that are functions of existing variables?

**Correct!**



mutate( )



filter( )



select( )



arrange( )

**Question 11**

**2 / 2 pts**

In some cases, you may be dealing with totals already calculated and represented as one observation in the dataset. To create a bar chart of this data, which of the following should be included in your ggplot function call?



geom\_plot()



geom\_bar()



geom\_smooth()

**Correct!**



geom\_col()

**Question 12**

**2 / 2 pts**

To create a fitted line (linear regression) within you scatterplot, what needs to be included in the blank of the command below:

 geom\_smooth ( \_\_\_\_\_\_\_\_\_\_ )

**Correct!**



**Correct Answers**

method=lm

method = 'lm'

method = "lm"

method= 'lm'

method='lm'

method = lm

method="lm"

**Question 13**

**2 / 2 pts**

When using dplyr, what is used to change the ordering of rows?



filter( )

**Correct!**



arrange( )



select( )



mutate( )

**Question 14**

**2 / 2 pts**

When working within the tidyverse, a file is imported into R as a \_\_\_\_\_\_\_\_\_\_\_\_.



data frame

**Correct!**



tibble



vector



text file

**Question 15**

**2 / 2 pts**

To create a bar chart that will total all of the observations in a dataset, which of the following should be included in your ggplot function call?

**Correct!**



geom\_bar()



geom\_smooth()



geom\_col()



geom\_plot()

**Question 16**

**2 / 2 pts**

When using dplyr, what is used to pick specific cases out of the tibble based on their value (i.e., based on observation values)?



mutate( )



select( )

**Correct!**



filter( )



arrange( )

**Question 17**

**4 / 4 pts**

Which of the following is correct given the two pieces of code below (check all that apply):

1.) a == b

2.) a = b



Statement 2 assigns the value of a to b

**Correct!**



Statement 1 is a logical test to see if a equals b

**Correct!**



Statement 2 assigns the value of b to a



Both Statement 1 and Statement 2 do the same thing

**Question 18**

**4 / 4 pts**

In some cases, columns may actually represent values when we are importing data (e.g., years are used as column headings). The pivot\_longer( ) function within tidyr takes multiple columns and collapses into key-value pairs, duplicating all other columns as needed.

The pivot\_wider( ) function of tidyr does the opposite and is used when an observation is scattered across multiple rows.

**Answer 1:**

**Correct!**

pivot\_longer( )

**Answer 2:**

**Correct!**

pivot\_wider( )

**Question 19**

**6 / 6 pts**

The goal of creating tidy data using the tidyr function is which of the following (check all that apply):

**Correct!**



Each value is a cell

**Correct!**



Each observation is in a row.



Each variable is in a row



Each observation is in a column

**Correct!**



Each variable is in a column

**Question 20**

**2 / 2 pts**

When using dplyr, what is used to select specific variables (columns) based on their names?



filter( )



arrange( )



mutate( )

**Correct!**



select( )

**Question 21**

**2 / 2 pts**

When using imputate\_na(), what options do you have available to replace the missing value if the variable is **categorical**?



median



mean



Any of the above can be used

**Correct!**



mode

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**Quiz Submissions**

* [**Attempt 1: 55**](https://uncw.instructure.com/courses/56864/quizzes/200755/history?version=1)

Tabitha Hagen has no attempts left